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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/629,268	
	Filing Date	July 29, 2003	
	First Named Inventor	Paul G. Cairns et al.	
	Art Unit	N/A; Confirmation No.: 6684	
	Examiner Name	N/A	
Total Number of Pages in This Submission	3	Attorney Docket Number	414-29494-US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
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<input type="checkbox"/> Response to Missing Parts/Incomplete Application	The Commissioner is hereby authorized to charge any additional fees or credit any overpayments to Deposit Account No. 02-0429 (414-29494-US)	
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<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>		
Firm or Individual name	Kaushik P. Sriram, Reg. No. 43,150	
Signature		
Date	March 5, 2004	

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		March 5, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Paul G. Cairns et al. §

Group Art Unit: N/A

SERIAL NO.: 10/629,268 §

Examiner: N/A

FILED: July 29, 2003 §

TITLE: "Measurement-While-Drilling  
Assembly Using Real-Time  
Toolface Oriented Measurements" §

Confirmation No.: 6684

Atty Docket No.: 414-29494-US

MS: DD  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:


In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the references listed on the attached Form PTO-1449 be considered by the Examiner and made of record.

This Information Disclosure Statement is not to be considered as a representation that a search has been made or that no other material information as defined under 37 C.F.R. § 1.56(a) exists. Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement. (PCT/US03/23707 international search report dated February 19, 2004).

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 02-0429 (414-29494-US).

Respectfully submitted,

Dated: March 5, 2004

  
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I hereby certify that this paper, along with any referred to as being attached or enclosed, is being forwarded to MS DD, Commissioner for Patents, Alexandria, Virginia 22313-1450, via the United States Postal Service, First Class Mail, prepaid on the 5th day of March, 2004.

By:   
Beth Pearson-Naul



FORM - 1449

SHEET 1

OF 1

<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. 414-29494-US	SERIAL NO. 10/629,268
	APPLICANT  Paul G. Cairns et al.	
	FILING DATE July 29, 2003	GROUP / CONFIRMATION N/A / 6684

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,678,643	10/97	Robbins et al.	175	45	10/95
	AB	6,047,239	04/00	Berger et al.	702	9	06/98
	AC	6,088,294	07/00	Leggett, III et al.	367	25	01/97
	AD						
	AE						
	AF						
	AG						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO	
	AH							
	AI							
	AJ							

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	AK	
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EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant